

COP Annexure-I

| Criteria* | COP Required |
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| RECD Manufacturer/Importer/Retrofitter | RECDs fitted on engines of all ratings shall be subjected to the verification of CoP once for every 500 units per family or once a year, whichever is earlier Wherever applicable, RECDs fitted on engines of all ratings of engines shall be subjected to the verification of PCD once every CoP-year by PCD family (ies) representative RECD(s). Such demonstration is PCD family dependent and irrespective of combined volumes produced and sold under such family (ies) |

* As Applicable

Annexure-II

| S No | Item Description | Parent RECD Type |
|--|---|--|
| | | Type 1 |
| 1 | Manufacturing Plant address | M/s JBDS Power Project International Pvt. Ltd., CCI Industrial Park, Tauru Road, Bilaspur Kalan, Gurgaon, Haryana-122413 |
| 2 | Manufacturer's trade name or mark | M/s JBDS Power Project International Pvt. Ltd. |
| 3 | RECD family designation | JBDS_R1 |
| 4 | RECD type/model designation | JBDS_106_00_000 |
| 5 | RECD Category (Domestic/Imported) | Domestic |
| 6 | Class of RECD | Class II |
| 7 | Type Identification of the RECD | Continuous |
| 8 | Location of type ID marking | Refer Specification no. JBDS-RECD-PP03/01-Rev 0 dtd. 06-12-2024 Clause no 1.8 |
| 9 | Identifying part number(s) of the RECD | JBDS106 |
| 10 | Engine/ Engine-Family for which the RECD is intended (application range) | 6L8.9TAA-G4 |
| 11 | PM Reduction Efficiency of the RECD | 88.65% |
| 12 | Designed for fitment to an engine meeting the emissions requirements of (Regulation and Stage): | CPCB Stage -II |
| ICAT Ref No. 2024-1410; IOCS No: 181605 | | |
| Base Engine Type Approval Certificate number ARAI/MOEF/DGTA/CILP-F56/2015-25 | | |
| Test Report Reference CT0ET 0480 dt.13/12/2024 | | |
| AUTHORISED SIGNATORY | | |
| SITARAM KASHYAP DEPUTY GENERAL MANAGER | | SAURABH DALELA DIRECTOR |

Annexure-III

List of applicable engine(s) as per 771(E) dtd. 11.12.2013 and GSR 232(E) dtd. 31.03.2014 Phase II certified In -Use DG sets for corresponding RECD models of RECD Family.

| S. No. | Manufacturer Name & Address | Engine Family | Engine Model | Rated Gross Mechanical Declared Power | Type Approval Certificate Number |
|--------|---|---------------|-------------------------|---------------------------------------|--|
| 1 | Ashok Leyland Ltd., No.1, Sardar Patel Road, Guindy, Chennai - 6000032 & Ashok Leyland Ltd., 175, Hosur Sipcot Industrial Complex, Rajaji Nagar, Hosur- 635126 | F25 | AL6DTIDG4 | 147 kW | ARAI/MoEF/DGTA/ALL-F25/2014- 02-E1 Dated: 26-Jul-2014 |
| 2 | | | AL6DTIDG2 | 116 Kw | |
| 3 | | | AL6DTIDG3 | 130 kW | |
| 4 | Ashok Leyland Ltd., No.1, Sardar Patel Road, Guindy, Chennai - 6000032 & Ashok Leyland Ltd., kathivakkam High Road, P.O.Box | F40 | AL8NTIDG6 | 223 kW | ARAI/MoEF/DGTA/ALL-F40/2015- 11-E1 Dated: 2-Sep-2016 |
| 5 | | | AL8NTIDG5 | 180 kW | |
| 6 | No.3, Ennore, Chennai-60005 | F50 | AL6DTIDG6 | 116 kW | ARAI/MoEF/DGTA/ALL-F50/2022- 19 Dated: 03-February-2022 |
| 7 | Cooper Corporation Pvt. Ltd, Plot no. M60-1, Engine Division Post- Kodoli, Addl. MIDC Satara, 415003 & Cooper Corporation Pvt. Ltd, Plot no. M60-1, Engine Division Post- Kodoli, Addl. MIDC Satara, 415003 | F14 | 6G5D1C228IW | 228 kW | ARAI/MoEF/DGTA/CCPL- F14/2017-07 Dated: 18-Aug-2017 |
| 8 | | F10 | 6B5D1C190RW | 190 kW | ARAI/MoEF/DGTA/CCPL- F10/2014-04-E1 Dated: 17-Aug-2015 |
| 9 | | | 4B5DIC113RW | 113 kW | |
| 10 | | | 6B5D1C150RW | 150 kW | |
| 11 | | | 6B5D1C170RW | 170 kW | |
| 12 | Deutz Engines India Pvt. Ltd., 6, Ramabai Ambedkar Road, B Wing, 4th Floor, Heritage House, Pune 411001. Maharashtra, India & DEUTZ AG Ottostrasse 1, D-51149, Koln (Porz- Eil) / Germany | F1 | TCD2013L064V | 250.7 kW | ARAI/MoEF/DGTA/IMP/DEIPL- F1/2015-01 Dated: 11-Sep-2015 |
| 13 | | F4 | TCD2013 L062V (D3UC151) | 151 kW | ARAI/MoEF/DGTA/IMP/DEIPL- F4/2016-04 Dated: 08-June-2016 |
| 14 | | | TCD2013 L062V (D3UC130) | 130.6 kW | |
| 15 | Cummins India Limited, Cummins India Office Campus Tower A, 5th Floor Survey No. 21, Balewadi, Pune 411045 & Cummins India Limited, India Parts Distribution Center Plot no. A-1, MIDC Phaltan, Village-Survadi, Phaltan-Lonand road, Taluka Phaltan, Dist. Satara, Maharashtra | F50 | QSL9 G16 | 249 kW | ARAI/MoEF/DGTA/CILP-F50/2017- 27-E3 Dated: 4-Jan-2019 |
| 16 | | F56 | 6L8.9TAAG-4 | 250 kW | ARAI/MoEF/DGTA/CILP-F56/2015- 25-E2 Dated: 7-Feb-2018 |

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Annexure-III Cont.

| S. No. | Manufacturer Name & Address | Engine Family | Engine Model | Rated Gross Mechanical Declared Power | Type Approval Certificate Number |
|--------|---|---------------|--------------------------|--|---|
| 17 | Greaves Cotton Ltd. Industrial Engines Unit, Plot No.J-2/A, MIDC Chikalthana, Aurangabad-431210 & Greaves Cotton Ltd. Industrial Engines Unit, Plot No.J-2/A, MIDC Chikalthana, Aurangabad-431210 | F101 | 4G11TAG26 | 114 kW | ARAI/MoEF/DGTA/GCLP- F101/2015-10-E3 Dated: 18-Aug-2021 |
| 18 | | F201 | 6G11TAG29 | 178.8 kW | ARAI/MoEF/DGTA/GCLP- F201/2015-11-E2 Dated 18-Aug-2021 |
| 19 | | | 6G11TAG28 | 163 kW | |
| 20 | | | 6G11TAG27 | 144.5 kW | |
| 21 | | F251 | D3V6TAG21 | 227 kW | ARAI/MoEF/DGTA/GCLP- F251/2015-12-E1 Dated 18-Aug-2021 |
| 22 | F161 | 6G11TAG26 | 144.5 kW | ARAI/MoEF/DGTA/GCLP- F161/2017-14-E2 Dated 18-Aug-2021 | |
| 23 | Kirloskar Oil Engines Ltd. Khadki, Pune & Kirloskar Oil Engines Ltd, D1,Kagal Hatkanangale,M.I.D.C, At & PO Talandage, Dist- Kolhapur | F114 | 6SL1500TAG3 | 228 kW | ARAI/MoEF/DGTA/KOEL- F114/2014-14-E1 Dated 09-Feb-2016 |
| 24 | | | 6SL1500TAG2 | 183 kW | |
| 25 | Kirloskar Oil Engines Ltd, D1,Kagal Hatkanangale,M.I.D.C, At & PO Talandage, Dist- Kolhapur | F113 | 6K 1080TA G2 | 147 kW | ARAI/MoEF/DGTA/KOEL- F113/2014-13-E4 Dated 01-June-2021 |
| 26 | | | 6R1080TAD | 114.7 kW | |
| 27 | | | 6R1080TA G1 | 128.7 kW | |
| 28 | Tata Motors Limited, Pimpri, Pune & Tata Motors Ltd., Jamshedpur, 831010 | F33 | 697 TC 10 | 115 kW | ARAI/MoEF/DGTA/TML/- F33/2018-08-E1 Dated 29-May-2019 |
| 29 | Tata Cummins Pvt. Ltd., Telco Township, Jamshedpur, Jharkhand & Tata Cummins Pvt. Ltd., Plot No. A-1/1, A- 1/2/1, Survadi, Phaltan, Satara, Maharashtra | F40 | QSB 5.9-G2 | 154 kW | ARAI/MoEF/DGTA/TCL-F40/2017- 07 Dated 23-Sep-2017 |
| 30 | | | QSB 5.9-G1 | 137 kW | |
| 31 | | F49 | 6BTAA5.9-G13 | 119 kW | ARAI/MoEF/DGTA/TCL-F49/2019- 08-E1 Dated 26-Sep-2019 |
| 32 | | F55 | QSB 6.7-G16 | 209 kW | ARAI/MoEF/DGTA/TCL-F55/2019- 09-E1 Dated 21-May-2021 |
| 33 | | | QSB 6.7-G14 | 174 kW | |
| 34 | | | QSB 6.7-G15 | 191 kW | |
| 35 | | | QSB 6.7-G17 | 229 kW | |
| 36 | VE Commercial Vehicle Ltd., 102, Industrial area No-2, Pithampur-454775, Dist-Dhar, Madhya Pradesh | F7 | EE694TCI 125KVA CPCB-II | 115 kW | ARAI/MoEF/DGTA/VECV-F7/2017- 10 Dated 21-Jun-2017 |
| 37 | Pradesh & VE Commercial Vehicle Ltd., 102, Industrial area No-2, Pithampur- 454775, Dist-Dhar, Madhya Pradesh | F12 | EE694 TCI 160KVA CPCB-II | 148 kW | ARAI/MoEF/DGTA/VECV- F12/2016-09 Dated 26-Aug-2016 |

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| Annexure-III Cont. | | | | | |
|--------------------|--|---------------|------------------|---------------------------------------|--|
| S. No. | Manufacturer Name & Address | Engine Family | Engine Model | Rated Gross Mechanical Declared Power | Type Approval Certificate Number |
| 38 | Volvo India Private Limited, Volvo Penta. Yalachahally, Tavarekere Post, Hosakote TQ, Bangalore, Karnataka-562 122 & AB Volvo Penta Cologne Germany | F14 | TAD754GE | 219 kW | ARAI/MoEF/DGTA/IMP/VOLVO- F14/2014-04-E1 Dated 30-Jun-2015 |
| 39 | EICHER TRACTORS, (A Unit Of TAFE Motors & Tractors Ltd.) Itarana Road, Alwar- 301 001 | F12 | 1751 ES | 118 kW | ICAT/MoEFCC/DGTA/ EICHER-F12/O- 0982 dt. 28.05.2019 |
| 40 | M/s. JCB India Ltd., 23/7, Mathura Road, Ballabgarh- 121 004, Haryana,India. | F9 | JCB 448 TCAG-121 | 121kW | ICAT/MoEF/DGTA/JC B - F9/K-0463 dt. 15.06.2015 |
| 41 | M/s. Baudouin (Weifang) Power Co. Ltd., Add : No. 197A, Fushou East Street., High-new Technology, Industrial Development Zone,Weifang, Shandong, China. | F12 | 6M16G225/5E3 | 204 kW | ICAT/MoEFCC/DGTA/ IMP/BWPCL- F12/N- 2145 dt. 19.11.2018 |
| 42 | | | 6M16G180/5E3 | 175 kW | |
| 43 | | | 6M16G160/5E3 | 155 kW | |
| 44 | | F6 | 6M11G125/5E3 | 117 kW | ICAT/MoEFCC/DGTA/ IMP/BWPCL- F6/N- 2136 dt. 16.11.2018 |
| 45 | | 6M12G | 6M12G4D2/5 | 196 kW | ICAT/MoEFCC/DGTA/ IMP/BWPCL- 6M12G/P-0840 dt.06.07.2020 |
| 46 | | | 6M12G2D2/5 | 168 kW | |
| 47 | | 6M11G | 6M11G2D2/5 | 143 kW | ICAT/MoEFCC/DGTA/ IMP/BWPCL- 6M11G/P-0836 dt. 06.07.2020 |
| 48 | | 4M12G6D5 | 4M12G6D2/5 | 125 kW | ICAT/MoEFCC/DGTA/ IMP/BWPCL- 4M12G6D5/P-0884 dt.13.07.2020 |
| 49 | | 4M07G6 | 4M07G6D2/3 | 120 kW | ICAT/MoEFCC/DGTA/ IMP/BWPCL- 4M07G6/P-1729 dt. 01.12.2020 |
| 50 | M/s. Shandong Heavy Industry India Pvt. Ltd., Add: Survey No. 280/281,Hinjawadi Phase II, Village Mann, Taluka Mulshi, Pune - 411057, Maharashtra,India | F12 | 6M16G225/5E3 | 204 kW | ICAT/MoEFCC/DGTA/ IMP/BWPCL- F12/N- 2145 dt. 19.11.2018 |
| 51 | | | 6M16G180/5E3 | 175 kW | |
| 52 | | | 6M16G160/5E3 | 155 kW | |
| 53 | | F6 | 6M11G125/5E3 | 117 kW | ICAT/MoEFCC/DGTA/ SHIPL-F6/N-2135 dt. 16.11.2018 |
| 54 | | 6M12G | 6M12G4D2/5 | 196 kW | ICAT/MoEFCC/DGTA/ SHIPL- 6M12G/P- 0839 dt. 06.07.2020 |
| 55 | | | 6M12G2D2/5 | 168 kW | |
| 56 | | 6M11G | 6M11G2D2/5 | 143 kW | ICAT/MoEFCC/DGTA/ SHIPL- 6M11G/P- 0835 dt. 06.07.2020 |
| 57 | | 4M12G6D5 | 4M12G6D2/5 | 125 kW | ICAT/MoEFCC/DGTA/ SHIPL- 4M06G6D3/P- 0880 dt.13.07.2020 |
| 58 | | 4M07G6 | 4M07G6D2/3 | 120 kW | ICAT/MoEFCC/DGTA/ SHIPL- 4M07G6/P- 1808 dt. 14.12.2020 |

Note: Engine details mentioned above are sourced from : www.cpcb.nic.in

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| SITARAM KASHYAP DEPUTY GENERAL MANAGER | | SAURABH DALELA DIRECTOR |
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